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DERWENT-WEEK: 197337
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TITLE: Polyurethane textile finishing agents - giving
antistatic props and
wrinkle resistance

PATENT-ASSIGNEE: ASAHI CHEM IND CO LTD[ASAH]

PRIORITY-DATA: 1971JP-0074621 (September 27, 1971)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 48041092 A		N/A
000	N/A	

ABSTRACTED-PUB-NO: JP 48041092A

BASIC-ABSTRACT: Synthetic fibres and their products are modified by treating with a stable emulsion of hydrophilic polyurethane contg. poly(ethylene oxide) units of mol. wt. 600-2500. In an example a prepolymer derived from poly(ethylene adipate) of mol. wt. 1500, 150, polyethylene glycol of mol. wt. 900, 22.5, diphenylmethane 4,4'-diisocyanate 48g was mixed with benzene 44.1, a sulphosuccinate-type surfactant 3.3, and a nonionic surfactant 3.3g and the mixt. was dispersed in 1930 g water contg. 3.3g sulphosuccinate-type surfactant. A wet nylon cloth contg. 100% water was immersed in the 3% solids emulsion and dried for 30 min. at 80 degrees to 4.0% pickup. The treated cloth had vol. resistivity <109 ohm-cm and wrinkle resistance (JIS L 1041-60) >80% compared with >1012 and 10-30% for a similar untreated cloth. Acrylic and polyester textiles were similarly treated.

TITLE-TERMS:

POLYURETHANE TEXTILE FINISH AGENT ANTISTATIC PROP WRINKLE
RESISTANCE

DERWENT-CLASS: A25 A87 F06

CPI-CODES: A05-G01E1; A08-S04; A12-G; A12-G02; A12-S05M;
F03-C04; F03-C05;

Multipunch Codes: 012 028 038 04- 072 074 076 141 143 144
150 155 157 160 169
170 171 198 209 210 239 240 311 318 321 336 344 346 397 423
431 436 440 477 481
483 506 511 532 533 535 541 542 575 583 589 688 720